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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF TREATING INVOLUNTARY FACIAL SPASMS AND FACIAL WRINKLES

(57) Abstract: The invention describes antibiotics, muscle relaxants and plant extracts that have neuromuscular blockade effects as well as methods of use thereof. These compounds can be used in the same clinical settings as botulinum toxin and may be used topically, thereby providing an advantage over botulinum toxin in terms of application and ease of use. The compounds can be used in pharmaceutical compositions for the treatment of involuntary muscle spasms and neuropathic pain and in cosmetic compositions for the treatment of facial wrinkles. Also provided are kits useful for therapeutic and/or cosmetic applications.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 6/00; 7/00 US CL : 424/401 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/401 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Database JPAB on WEST, NO. JP62016431A, 'Pharmaceutical antifungal composition'. 24 January 1987. see abstract.	1-3,6,8,20-22,26-28,31-33,37-40,43-45,53,54,69-71,75-77,80-83,86
Y	Database CAAB on WEST, NO. CA1209043A, Smiley, 'Topical composition for treating herpes simplex infections'. 05 August 1986, see abstract.	1-3,9,10,20,26,31,36,56,57,68,69,74,75,80,81,86
Y	Database JPAB on WEST, NO. JP63253022A, 'Topical muscle relaxant preparations'. 08 April 1987. see abstract.	11,12,26,31,60,61,63,69,75,80,81
Y	Database SUAB on WEST, NO: SU1033138A, Kazakov et al, 'Cosmetic skin cream containing norkov fat'. 08 October 1980, see abstract.	17,20,26,31,35,48,69,75,80,81
Y	GB 894619, 09 September 1960, see entire document.	1,2,4,8,20,26,31,53,54,69,75,81
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